

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1399	715/500.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 13:55
L2	4307	715/501.1,513.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 13:56
L3	466	715/760.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 13:56
L4	1570	382/173.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 13:56
L5	2065	382/175-180.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 13:56
L6	31	conver\$4 bmp tiff adobe format	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/07/03 13:58
L7	469	SEGMENT IMAGE TEXT AREA	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/07/03 13:58
L8	22	L7 SCREEN SIZE	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/07/03 13:58
S62	22	conver\$4 bmp tiff adobe format	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/07/03 13:58

EAST Search History

S63	573	jakubowski.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/06/11 15:21
S64	6	S63 and html	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/06/11 15:21
S65	10	("2002/0143821").URPN.	USPAT	SAME	ON	2007/06/11 15:34
S66	15	kanevsky.in. and icon and device	USPAT	SAME	ON	2007/07/03 10:48
S67	3	REFLOW\$3 DOCUMENT FORMAT IMAGE	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/06/28 15:29
S68	14	REFLOW\$3 FORMAT IMAGE	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/06/28 15:30
S69	2	("6023714").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 15:30
S70	112	("5557722" "5644776" "5719786" "5835712" "5860073" "5899975" "5943680").PN. OR ("6023714").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/06/28 15:47
S71	2	("6501491").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 15:47
S72	566	convert\$3 image document html	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/07/02 10:17
S73	184	convert\$3 image document html	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/07/02 10:19

EAST Search History

S74	0	S73 segment\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/07/02 10:20
S75	0	S73 synthesiz\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/07/02 10:21
S76	5	S73 pdf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/07/02 10:25
S77	7	S73 tiff	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/07/02 10:21
S78	7	S73 fax	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/07/02 10:28
S79	14	S73 scan\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/07/02 10:29
S81	2	("6208426").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 09:33
S82	3	("9738510").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 09:34
S83	144	convert\$3 (web adj page) image (html or xml or markup or wml)	USPAT	SAME	ON	2007/07/03 10:49
S84	15	convert\$3 (web adj page) image (html or xml or markup or wml)	USPAT	WITH	ON	2007/07/03 10:49

	1	Document ID	Issue Date	Title	Current OR	Inventor	2	3	4	5
1		US 7231020 B2	20070612	Method and apparatus for telephonically accessing and navigating the internet	379/88. 17	Rhie; Kyung H. et al.				
2		US 7120897 B2	20061010	User control objects for providing server-side code generation from a user-defined dynamic web page content file	717/108	Ebbo; David S. et al.				
3		US 6990653 B1	20060124	Server-side code generation from a dynamic web page content file	717/108	Burd; Gary S. et al.				
4		US 6833828 B1	20041221	Modified browser system	345/419	Wininger; Shay				
5		US 6633314 B1	20031014	Portable high speed internet device integrating cellular telephone and palm top computer	715/744	Tuli; Raja				
6		US 6620205 B2	20030916	System and method for distribution and navigation of internet content	715/513	Sequeira; William J.				

7		US 6392718 B1	20020521	Device and method for preventing flicker	348/607	Muramatsu; Koji					
---	--	---------------------	----------	---	---------	--------------------	--	--	--	--	--

	1	Document ID	Issue Date	Title	Current OR	Inventor	2	3	4	5
8		US 6381320 B1	20020430	Access to extended telephone services via the internet	379/201 .01	Creamer; Thomas Edward et al.				
9		US 6366650 B1	20020402	Method and apparatus for telephonically accessing and navigating the internet	379/88. 13	Rhie; Kyung H. et al.				
10		US 6343119 B1	20020129	Access to extended telephone services via the internet	379/100 .01	Creamer; Thomas Edward et al.				
11		US 6278704 B1	20010821	Extended telephone services via telephone lines shared for standard telephony and internet access	370/352	Creamer; Thomas Edward et al.				
12		US 6185585 B1	20010206	System and method for distribution and navigation of internet content	715/513	Sequeira; William J.				
13		US 6028917 A	20000222	Access to extended telephone services via the internet	379/100 .01	Creamer; Thomas Edward et al.				
14		US 5953392 A	19990914	Method and apparatus for telephonically accessing and navigating the internet	379/88. 13	Rhie; Kyung H. et al.				

	1	Document ID	Issue Date	Title	Current OR	Inventor	2	3	4	5
15		US 5893127 A	19990406	Generator for document with HTML tagged table having data elements which preserve layout relationships of information in bitmap image of original document	715/513	Tyan; Ching-Yu et al.				


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)
Search: The ACM Digital Library The Guide

convert??? <paragraph> webpage <paragraph> html <paragr>

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used:

[convert???](#) [paragraph](#) [webpage](#) [paragraph](#) [html](#) [paragraph](#) [image](#)

Found 13,917 of 205,978

Sort results by

relevance

 [Save results to a Binder](#)
Try an [Advanced Search](#)

Display results

expanded form

 [Search Tips](#)
Try this search in [The ACM Guide](#)
 [Open results in a new window](#)

Results 1 - 20 of 200

Result page: **1** [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale

1 [Adapting content to mobile devices: Fractal summarization for mobile devices to access large documents on the web](#)

Christopher C. Yang, Fu Lee Wang
May 2003 **Proceedings of the 12th international conference on World Wide Web**
WWW '03
Publisher: ACM Press

Full text available: [pdf\(317.55 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Wireless access with mobile (or handheld) devices is a promising addition to the WWW and traditional electronic business. Mobile devices provide convenience and portable access to the huge information space on the Internet without requiring users to be stationary with network connection. However, the limited screen size, narrow network bandwidth, small memory capacity and low computing power are the shortcomings of handheld devices. Loading and visualizing large documents on handheld devices bec ...

Keywords: document summarization, fractal summarization, handheld devices, mobile commerce

2 [Hypermedia in the Small: Hunter gatherer: interaction support for the creation and management of within-web-page collections](#)

M. C. schraefel, Yuxiang Zhu, David Modjeska, Daniel Wigdor, Shengdong Zhao
May 2002 **Proceedings of the 11th international conference on World Wide Web**
WWW '02
Publisher: ACM Press

Full text available: [pdf\(447.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Hunter Gatherer is an interface that lets Web users carry out three main tasks: (1) collect components from within Web pages; (2) represent those components in a collection; (3) edit those component collections. Our research shows that while the practice of making collections of content from within Web pages is common, it is not frequent, due in large part to poor interaction support in existing tools. We engaged with users in task analysis as well as iterative design reviews in order to underst ...

Keywords: attention, collections, information gathering and management, transclusions, web-based interaction design

3

[Optimizing encoding: Using link analysis to improve layout on mobile devices](#)

 Xinyi Yin, Wee Sun Lee
May 2004 **Proceedings of the 13th international conference on World Wide Web**

WWW '04

Publisher: ACM Press

Full text available:  pdf(377.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Delivering web pages to mobile phones or personal digital assistants has become possible with the latest wireless technology. However, mobile devices have very small screen sizes and memory capacities. Converting web pages for delivery to a mobile device is an exciting new problem. In this paper, we propose to use a ranking algorithm similar to Google's PageRank algorithm to rank the content objects within a web page. This allows the extraction of only important parts of web pages for delivery t ...

Keywords: html, link analysis, pda (personal digital assistant), www (world wide web)

4 Mobility management in web based systems: Towards user-friendly mobile browsing 

 Timo Lehtonen, Said Benamar, Vesa Laamanen, Ilkka Luoma, Olli Ruotsalainen, Jaakko Salonen, Tommi MikkonenP

October 2006 **Proceedings of the 2nd international workshop on Advanced architectures and algorithms for internet delivery and applications AAA-IDEA '06**

Publisher: ACM Press

Full text available:  pdf(159.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

User experience of Web browsing on a mobile device is affected by low bandwidth, low CPU performance and small screen. This is not an essential technical restriction, as some help can be provided by running the browser engine on the server side instead of the mobile client. The approach of Tut-Mobi system introduced in this paper is such that the server side component residing in the fixed network processes the page to a format that consists of page miniature and page element data. Using this me ...

Keywords: content adaption, human computer interaction, mobile web browsing

5 A survey and analysis of Electronic Healthcare Record standards 

 Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci
December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4

Publisher: ACM Press

Full text available:  pdf(844.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

6 Animated agents and TTS for HTML documents 

 Ingrid Kirschning, Joaquín O. Rueda
October 2005 **Proceedings of the 2005 Latin American conference on Human-computer interaction CLIHC '05**

Publisher: ACM Press

Full text available:  pdf(1.16 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

The present paper describes a project aimed to create a framework for interactive stories providing HTML based documents with speech capabilities and an animated character, as

required in the Enciclopedia environment. This development is inspired by the success of the interactive books created by the CSLR of Colorado University [1], which integrate speech synthesis and educational agents into reading books for children. It uses Microsoft Agent technologies with MS SAPI speech synthesis and the r ...

Keywords: TTS, enciclopedia, microsoft agents, speech synthesis

7 Editing and authoring: User-directed analysis of scanned images

 Steven J. Simske, Jordi Arnabat

November 2003 **Proceedings of the 2003 ACM symposium on Document engineering DocEng '03**

Publisher: ACM Press

Full text available:  pdf(3.36 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Digital capture (scanning in all its forms, and digital photography/video recording), in providing virtually free temporary memory of captured information, allows users to "over-gather" information during capture, and then to discard unwanted material later. For cameras and video recorders, such editing largely consists of discarding images or frames in their entirety. For scanners (and high-resolution camera/video), such editing benefits from a preview capability that provides quick and reliabl ...

Keywords: bottom-up analysis, classification, click and select, preview display, scanning, segmentation, user interface, zoning

8 Games: Improving accessibility of the web with a computer game

 Luis von Ahn, Shiry Ginosar, Mihir Kedia, Ruoran Liu, Manuel Blum

April 2006 **Proceedings of the SIGCHI conference on Human Factors in computing systems CHI '06**

Publisher: ACM Press

Full text available:  pdf(474.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Images on the Web present a major accessibility issue for the visually impaired, mainly because the majority of them do not have proper captions. This paper addresses the problem of attaching proper explanatory text descriptions to arbitrary images on the Web. To this end, we introduce Phetch, an enjoyable computer game that collects explanatory descriptions of images. People play the game because it is fun, and as a side effect of game play we collect valuable information. Given any image from ...

Keywords: accessibility, distributed knowledge acquisition, web-based games

9 Extracting mathematical expressions from postscript documents

 Michael Yang, Richard Fateman

July 2004 **Proceedings of the 2004 international symposium on Symbolic and algebraic computation ISSAC '04**

Publisher: ACM Press

Full text available:  pdf(137.43 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Full-text indexing of documents containing mathematics cannot be considered a complete success unless the mathematics symbolism is extracted and represented in a standardized form permitting both searching for formulas, and re-use of this information in (for example) computer algebra systems. Most documents produced in the past and subsequently digitally encoded, and even most of those potentially "born digital" in current journal production are---at best---encoded in a printer form such as Adob ...

Keywords: digital library, document image analysis, mathematics, optical character recognition, postscript documents

10 [Paper to HTML—an automatic, seamless process for documentation production](#) 

 Virginie Ahrens, Valérie Lecompte

October 1999 **Proceedings of the 17th annual international conference on Computer documentation SIGDOC '99**

Publisher: ACM Press

Full text available:  pdf(672.82 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper describes how ILOG, a French software company designing C++ and Java class libraries, managed the transition between paper-only documentation and extensive HTML online documentation in less than two years. In this paper, we analyze the underlying reasons for making this change, describe the technological choices that were made, and walk through the various steps of the project from its beginning to final completion.

Keywords: C++ and Java class libraries, HTML, Java Script, Web design, modularity, online documentation, page-authoring tools, portability, reusability

11 [Information extraction 2: SlideSeer: a digital library of aligned document and presentation pairs](#) 

 Min-Yen Kan

June 2007 **Proceedings of the 2007 conference on Digital libraries JCDL '07**

Publisher: ACM Press

Full text available:  pdf(1.33 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Research findings are often transmitted both as written documents and narrated slide presentations. As these two forms of media contain both unique and replicated information, it is useful to combine and align these two views to create a single synchronized medium. We introduce SlideSeer, a digital library that discovers, aligns and presents such presentation and document pairs. We discuss the three major system components of the SlideSeer DL: 1) the resource discovery, 2) the fine-grained al ...

Keywords: SlideSeer, digital library, fine-grained alignment, presentations (slides), synchronized media

12 [The Pyramid Match Kernel: Efficient Learning with Sets of Features](#) 

Kristen Grauman, Trevor Darrell

May 2007 **The Journal of Machine Learning Research**, Volume 8

Publisher: MIT Press

Full text available:  pdf(7.86 MB) Additional Information: [full citation](#), [abstract](#)

In numerous domains it is useful to represent a single example by the set of the local features or parts that comprise it. However, this representation poses a challenge to many conventional machine learning techniques, since sets may vary in cardinality and elements lack a meaningful ordering. Kernel methods can learn complex functions, but a kernel over unordered set inputs must somehow solve for correspondences---generally a computationally expensive task that becomes impractical for large ...

13 [Designing for accessibility: Transforming web pages to become standard-compliant through reverse engineering](#) 

 Benfeng Chen, Vincent Y. Shen

May 2006 **Proceedings of the 2006 international cross-disciplinary workshop on Web accessibility (W4A): Building the mobile web: rediscovering accessibility? W4A**

Publisher: ACM Press

Full text available:  pdf(392.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Developing Web pages following established standards can make the information more

accessible, their rendering more efficient, and their processing by computer applications easier. Unfortunately, more than 95% of the existing Web pages today are not "valid" in that they do not follow some of the recommendations (standards) of the World Wide Web Consortium (W3C). Fixing any Web page to make it standard-compliant is a major undertaking. There is now an open-source tool called HTML Tidy which will ...

Keywords: HTML, HTML tidy, W3C recommendations, browser, cascade style sheets, rendering engine, web page

14 Making Topic-Specific Report and Multimodal Presentation Automatically by Mining the Web Resources

Shaikh Mostafa Al Masum, Mitsuru Ishizuka

December 2006 **Proceedings of the 2006 IEEE/WIC/ACM International Conference on Web Intelligence WI '06**

Publisher: IEEE Computer Society

Full text available:  pdf(372.36 KB) Additional Information: [full citation](#), [abstract](#)

Due to availability and accessibility of enormous internet-based resources and dynamic nature of web pages, the task of information retrieval is becoming more challenging and gradually tricky. This paper describes about agent based autonomous system, Automatic Report to Presentation (ARP), with the notion of autonomous information service emerging as the result of integration among natural language processing, web intelligence, and character-based agent interaction. The system, ARP, automaticall ...

15 Pen computing: a technology overview and a vision

 André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Publisher: ACM Press

Full text available:  pdf(5.14 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

16 Multimedia simplification for optimized MMS synthesis

 Wei-Qi Yan, Mohan S. Kankanhalli

February 2007 **ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP)**, Volume 3 Issue 1

Publisher: ACM Press

Full text available:  pdf(9.63 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a novel transcoding technique called *multimedia simplification* which is based on experiential sampling. Multimedia simplification helps optimize the synthesis of MMS (multimedia messaging service) messages for mobile phones. Transcoding is useful in overcoming the limitations of these compact devices. The proposed approach aims at reducing the redundancy in the multimedia data captured by multiple types of media sensors. The simplified data is first stored into a gallery for fu ...

Keywords: MMS synthesis, Multimedia simplification, experiential sampling, home care monitoring, hypermedia coherence, mobile phone, soccer video

17 Comprehension through navigation and interaction: A tactile web browser for the visually disabled

 Martin Rotard, Sven Knödler, Thomas Ertl

September 2005 **Proceedings of the sixteenth ACM conference on Hypertext and**

hypermedia HYPERTEXT '05

Publisher: ACM Press

Full text available:  pdf(3.81 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The dissemination of information available through the World Wide Web makes universal access more and more important and supports visually disabled people in their everyday life. In this paper we present a new approach for visually disabled people to browse and interact with web pages. Up to now graphical information is mostly ignored in transformations for visually disabled people. We propose a web browser, which uses a transformation schema to render web pages on a tactile graphics display. Bi ...

Keywords: adaptive hypertext, multi-modal interfaces, tactile graphics, universal access

18 Device-aware desktop web page transformation for rendering on handhelds 

A. Artail, Mackram Raydan

November 2005 **Personal and Ubiquitous Computing**, Volume 9 Issue 6

Publisher: Springer-Verlag

Full text available:  pdf(752.77 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This paper illustrates a new approach to automatic re-authoring of web pages for rendering on small-screen devices. The approach is based on automatic detection of the device type and screen size from the HTTP request header to render a desktop web page or a transformed one for display on small screen devices, for example, PDAs. Known algorithms (transforms) are employed to reduce the size of page elements, to hide parts of the text, and to transform tables into text while preserving the structu ...

Keywords: Context awareness, Mobile device types, Small screen devices, Transcoding, Web browsing, Web page rendering, Wireless devices

19 ViSWeb—the Visual Semantic Web: unifying human and machine knowledge representations with Object-Process Methodology 

Dov Dori

May 2004 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 13 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(1.22 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The Visual Semantic Web (ViSWeb) is a new paradigm for enhancing the current Semantic Web technology. Based on Object-Process Methodology (OPM), which enables modeling of systems in a single graphic and textual model, ViSWeb provides for representation of knowledge over the Web in a unified way that caters to human perceptions while also being machine processable. The advantages of the ViSWeb approach include equivalent graphic-text knowledge representation, visual navigability, semantic sentenc ...

Keywords: Conceptual graphs, Knowledge representation, Object-Process Methodology, Semantic Web, Visual Semantic Web

20 The CHI '95 conference electronic publication: introduction to an experiment 

 Robert Mack, Linn Marks, Dave Collins, Keith Instone

April 1996 **ACM SIGCHI Bulletin**, Volume 28 Issue 2

Publisher: ACM Press

Full text available:  pdf(1.57 MB) Additional Information: [full citation](#), [index terms](#)

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)